F E B R U A R Y

at the

CALIFORNIA ACADEMY OF SCIENCES

FEBRUARY MEETING

Date: Wednesday, February 13, 8:15 p.m.
Place: Morrison Auditorium
Speaker: Dr. Arthur Twomey
Subject: "THE CHANGING HEART OF AFRICA"

In Africa, great changes in way of life and thought are taking place. A primitive economy gives way to modern complexities. New nations are born. Young governments take their place in the family of nations.

Arthur C. Twomey, distinguished Director of Education of the Carnegie Institute at Pittsburg, has returned from Africa with a first-hand view of what is happening to its heart. In striking natural color film, he analyzes Africa's past and documents the present. Sequences of people and places lend background to his interpretations. The "Dark Continent" is emerging from its jungle into a new world of rapid social change.

This lecture, made possible by the Walter B. Scaife Foundation, is unusual in its topicality. It is augmented with native background music.

MORRISON PLANETARIUM

February 5 through March 3: "EINSTEIN AND RELATIVITY". Most people know the name of Albert Einstein and respect and marvel at his genius and work, but few understand it. In this request repeat of an earlier show, Einstein's theories are graphically explained. Adults, 75¢, Juniors, 40¢.

Performances: Monday ..... Closed
Tuesday ..... 3:30 p.m. only
Wed, Thurs, Fri ..... 3:30 & 8:30 p.m.
Saturday, Sunday . 2:00, 3:30 & 8:30 p.m.

SPECIAL EXHIBITS

Exhibit of the Month: "INDIAN BASKETRY" from the Academy collections. Main Foyer, Science Museum.

"BOTANICAL PRINTS", by San Francisco artist and printer, Henry Evans. 30 life-size horticultural plates done in linoleum-block technique. Lovell White Hall through March. (See NEWS AND NOTES)

"SCIENCE IN ACTION"

Monday nights, 7:00 p.m., KRON-TV, Channel 4

February 4: "THE HANDWRITING READER", with Guest Scientist Dr. E. C. Greanias, International Business Machines.
February 11: "ADVANCED COMMUNICATIONS SATELLITE" with Dr. Harold Rosen, Hughes Aircraft Company.
February 18: "HYDROFOILS" with special guests from the Grumman Aircraft Company and Stanford Research Institute.
February 25: "THE SKIN", with John Epstein, M.D., University of California Medical Center.

NEWS and NOTES .....

Eighteen months and 34,000 road miles later, Dr. Edward S. Ross, Curator of the Department of Entomology, has returned to San Francisco and the Academy from his latest insect "safari" which took him through Pakistan, India, Nepal, Malaya, Thailand and across Australia.

Dr. Ross, with his wife, their son Clark, and David Cavagnaro, a student at the University of California, departed from Seattle in July 1961. The objective of the trip was an extension of Dr. Ross' world-wide survey of Embioptera, small insects related to termites which spin silk with their front feet. Previous collecting trips had taken him to Mexico, Central and South America, Africa and the island of Madagascar.

In addition to the hundreds of thousands of specimens of other kinds of insects amassed during the trip, Dr. Ross made five air shipments of cultures of immature embiids, some in the egg stage. These were propogated in the Entomology Department by Assistant Peter Rubtzoff.

"To see the mature products of these cultures is like having hundreds of surprise Christmas packages to open!" Dr. Ross commented on his return. "Just a cursory look at but a small part of this new material reveals many new genera and new species. This is the kind of excitement that many entomologists live for. Believe me, it's wonderful!"

In addition to his collecting, Dr. Ross returned with approximately 8,000 color photographs and some 20,000 feet of 16mm color film. His ability as a photographer is already known to the membership.

Dr. Ross' expedition was sponsored by the National Geographic Society, the National Science Foundation and the Academy.

With this additional collection, Dr. Ross has completed his representative sampling of Embioptera from all of the world's tropical evolutionary centers. He will now settle down for a period of intensive writing to complete his monograph on the order.

On January 17, the California Botanical Club met in the Academy's Livermore Room to observe the 104th anniversary of the birth of Alice Eastwood. Featured speaker at the meeting was Carol Green Wilson, biographer of Miss Eastwood, who presented an illustrated talk on "Autumn Color in New England".

Visiting the Academy and the Department of Botany in January for purposes of research were Messrs. Henry M. Pollard and Ernest C. Twisselmann, Research Associates in the Department, and Miss Beatrice Howitt, recently named Field Associate. Mr. Pollard's particular interest is the flora of Ventura County, Mr. Twisselmann's, Kern, and Miss Howitt's the plants of Monterey County.

The temporary exhibit which opened concurrently in Lovell White Hall of Man and Nature with the new Academy Buffet is worthy of special note to the membership as well as anyone interested in the artistic and the beautiful. The exhibit entitled "Botanical Prints" is made up of 30+ life-size horticultural plates done in linoleum-block technique by Mr. Henry Evans of San Francisco. The plates on display are but a few of the collection which, fortunately for the Academy, Mr. Evans has presented as a gift to the Picture Collection. His gift totalled 109 different individual plates.

Mr. Evans has perfected his linoleum-block technique as is evidenced by the finished product. For the most part, he cuts his blocks while on field trips, sketching and doing the final cutting of the block from the plant or flower in its natural habitat. He then returns to his Porpoise Bookshop at 305 Clement Street where his press is located and prints a limited edition. The press on which he does his printing dates back to 1852. The only particular change which Mr. Evans has made since the press' original construction was completely rebuilding the tympan.

A native of Wisconsin, Mr. Evans has always been interested in presses and printing, but it is only in recent years that he discovered and developed his own rare talent. He is completely self-taught. Many famous libraries and educational institutions across the United States have standing orders for any and all prints or books which come off his press, and the Academy has benefited greatly through his generous gift.

He has exhibited in England, Ireland, Germany and Switzerland. During the time of the Academy exhibit which will last through the month of March, duplicates of some of the prints on view will be on sale at the Academy's sales desks.

By way of bidding a fond farewell to Roland Michaelis, part-time lecturer in Morrison Planetarium for the past ten years who recently retired from that position, the Planetarium staff entertained at a dinner on January 29 at Johnny Kan's, a San Francisco restaurant of note.

Meet the Staff

VASHTI HAWLEY GETTEN, Secretary to the Director, found herself in the unusual position of being one of two women who majored and was graduated in Architecture at Washington State University (then College). After graduation, her letters of inquiry about employment were received with enthusiasm until prospective employers learned she was a woman. However, farsightedness on the part of a Los Angeles firm overcame this "drawback" and she soon found herself involved deeply in the structural side of her chosen profession, happily drafting and making computations for the ensuing several years.

Subsequently, circumstance brought her to San Francisco. Because of her pertinent background, employment was offered her as Departmental Secretary in the School of Architecture at the University of California at Berkeley.

In 1943 at the height of the war, she was sought out for a position at the Academy, that of Secretary to the Director. It is in this capacity that she has functioned since. The Academy was a very busy place during World War II and she found herself not only serving in her prescribed position, but also involved in personnel, payrolls, office procedures and the supervision of the sales desks - to mention but some of her responsibilities. The best way to describe her many-faceted position would be as "good right hand and trouble shooter" for the Director, a job she does admirably.

In her early years at the CAS, she met A. S. Getten, an Instrument Specialist (see NEWSLETTER, July 1961), whom she later married.

The Gettens designed and had built a charming hillside home in Sausalito, Marin County, from which they commute to San Francisco and their work.

Gardening, particularly the culture of camellias, azaleas, rhododendrons and fuchsias, is a continuing interest, and knitting and experimental cooking fill the off-hours when her fingers are not occupied with pencil or electric typewriter.

NEW MEMBERS OF THE ACADEMY

Regular Membership

Mr. John F. Baker
Mr. Arthur E. Bayce
Mr. Arel W. Berrier
Mr. J. Hall Bishop, Jr.
Dr. Howard W. Christopher
Mrs. Nichols Clark
Mr. Leonard J. Compagno
Miss Lynn Connelly
Dr. Albert L. Delisle
Mrs. Fred Dohrmann
Mr. John L. Drechsler
Mr. Jack Duco
Miss Irene A. Duggan
Mrs. Richard Erskine
Miss D'Minga Ferguson
Miss Dorothy Ferguson
Mr. Charles L. Figone
Mr. Laurence A. Frank
Mr. Leif C. Hatlen
Mr. William R. Hewlett
Miss Myrtle L. Huffman
Mr. Norman Eric Jorgensen
Miss Susan C. R. Keeve
Mr. Michael D. Kelleher
Mr. Brooks Laerter
Mr. Henry H. Lee
Mrs. Albert N. Lockwood
Mr. Wendell Mason
Mr. Russell J. Miedel
Mr. James D. McDade
Mr. Robert D. Nason
Mr. Wilson Neal
Mr. Richard B. Odlin
Mr. Lawrence E. Padgett
Mr. G. W. Rayner-Canham
Mr. William J. Ryan
Dr. Samuel L. Scarlett
Mr. Larry Shaine
Miss Wanda Jane Snodgrass
Mr. William H. Stevens
Dr. Margaret Swigart
Mr. John B. Underwood
Mr. Claude Victorante
Dr. Robert B. Ziegler

Family Membership

Mr. Leo Allen Barnard
Mr. Wallace E. Block
Mr. Jack Bregman
Mr. John J. Brennan
Mr. A. L. Collin
Mrs. Edward C. Day
Mr. & Mrs. Alan Dolit
Mr. & Mrs. J. Donovan
Mr. Robert A. Frankel
Mr. Steve Gherini
Mr. Edmond Gross
Mr. L. A. Hansen
Mr. H. Richard Johnson
Mr. J. Novella, Jr.
Mr. John P. O'Brien
Mr. & Mrs. Hugh Paterson
Mr. Joseph Scalmanini
Mr. M. H. Segal
Miss Eloise H. Semonile
Mr. & Mrs. John Shipley
Mr. & Mrs. John J. Skillman
Mr. George H. Smith, III
Mr. James R. Storey
Mr. Junius A. Thomson
Mr. Henry C. Williams
Rev. Lars F. Williamson
Miss Vivian Marie Wills

Contributing Membership

Miss Lillian S. Wong

Student Membership

Bill Carroll
Peter Carroll
Daniel Castro
Virginia Cheney
Chris Connelly
Mike Corbett
Richard Corbett
Marsha Jo Flynn
Maureen Flynn
Craig Garcia
Richard Hansen
Greg Harris
Lloyd Hawkinson
Irene Herrman
Anton Kamby
Steve Lohmann
Douglas McLaggan
Leslie McLaggan
Dennis O'Meara
Peter Naughton
Gail Rubino
Bob Scialanga
Kazuaki Shirayanagi
Kathy Siebert
Kathryn Thompson
Kenneth Wada
Diana Wirth
Miles Yoshimura

THE CALIFORNIA ACADEMY OF SCIENCES
GOLDEN GATE PARK
SAN FRANCISCO 18

Open every day of the year 10:00 a.m. to 5:00 p.m. - Admission Free

G

NON-PROFIT ORGANIZATION
U.S. POSTAGE
PAID
SAN FRANCISCO, CALIF.
PERMIT NO. 7544

Ref.
Q 11
.C22
no. 278

CALIFORNIA
LIBRARY
JAN 30 1963
RECEIVED
ACADEMY OF SCIENCES

Academy
NEWSLETTER

No. 278 - Published Monthly by the
CALIFORNIA ACADEMY OF SCIENCES
GOLDEN GATE PARK
SAN FRANCISCO 18
FEBRUARY, 1963